

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525685

Luminaire Tested: **IFLD-M-SA4A-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525685  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

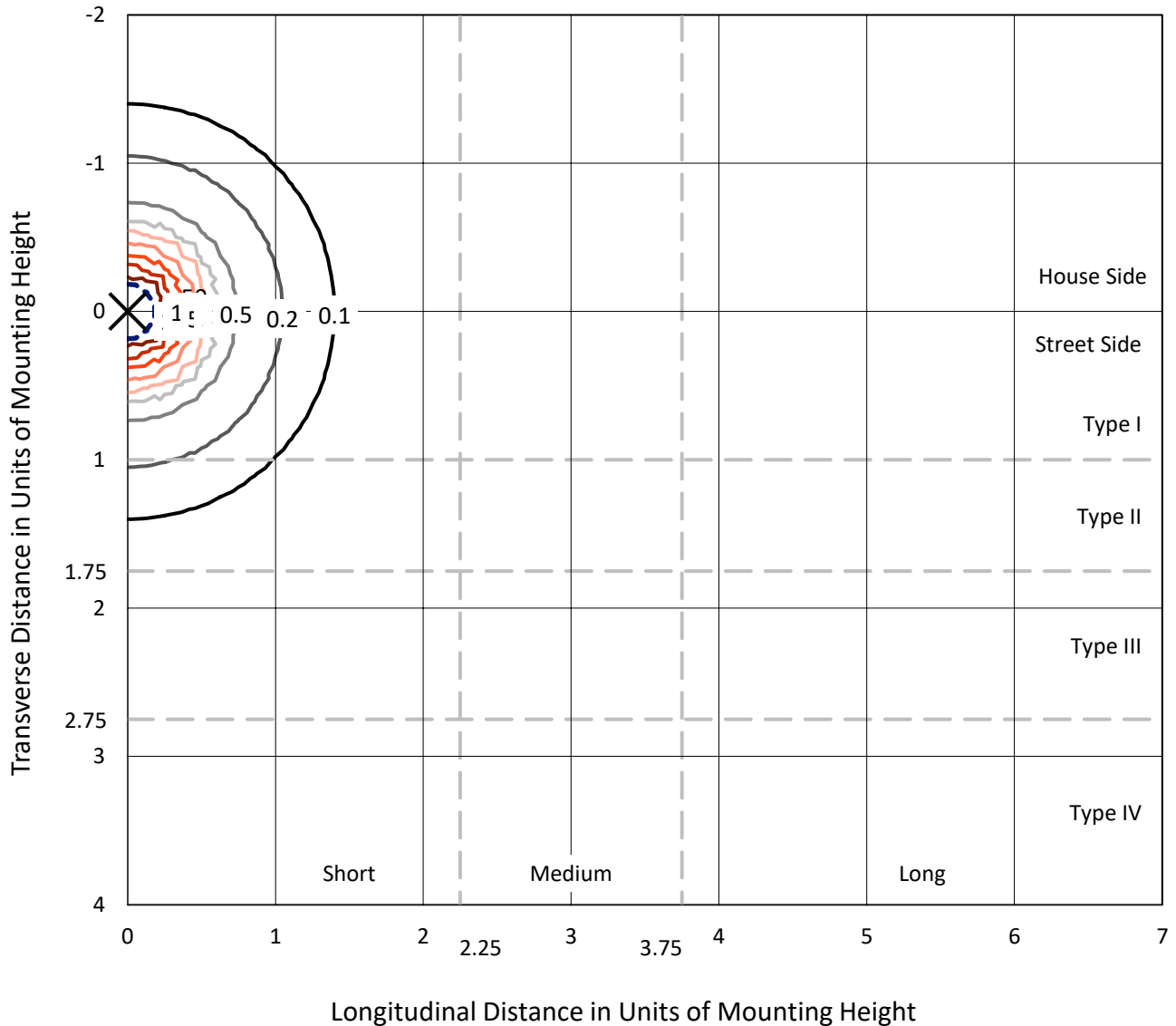
Lumens per Lamp: N/A  
Luminaire Lumens: 12031.1 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P525685  
 CATALOG NUMBER: IFLD-M-SA4A-930-U-33

### Iso-Footcandle Lines of Horizontal Illumination

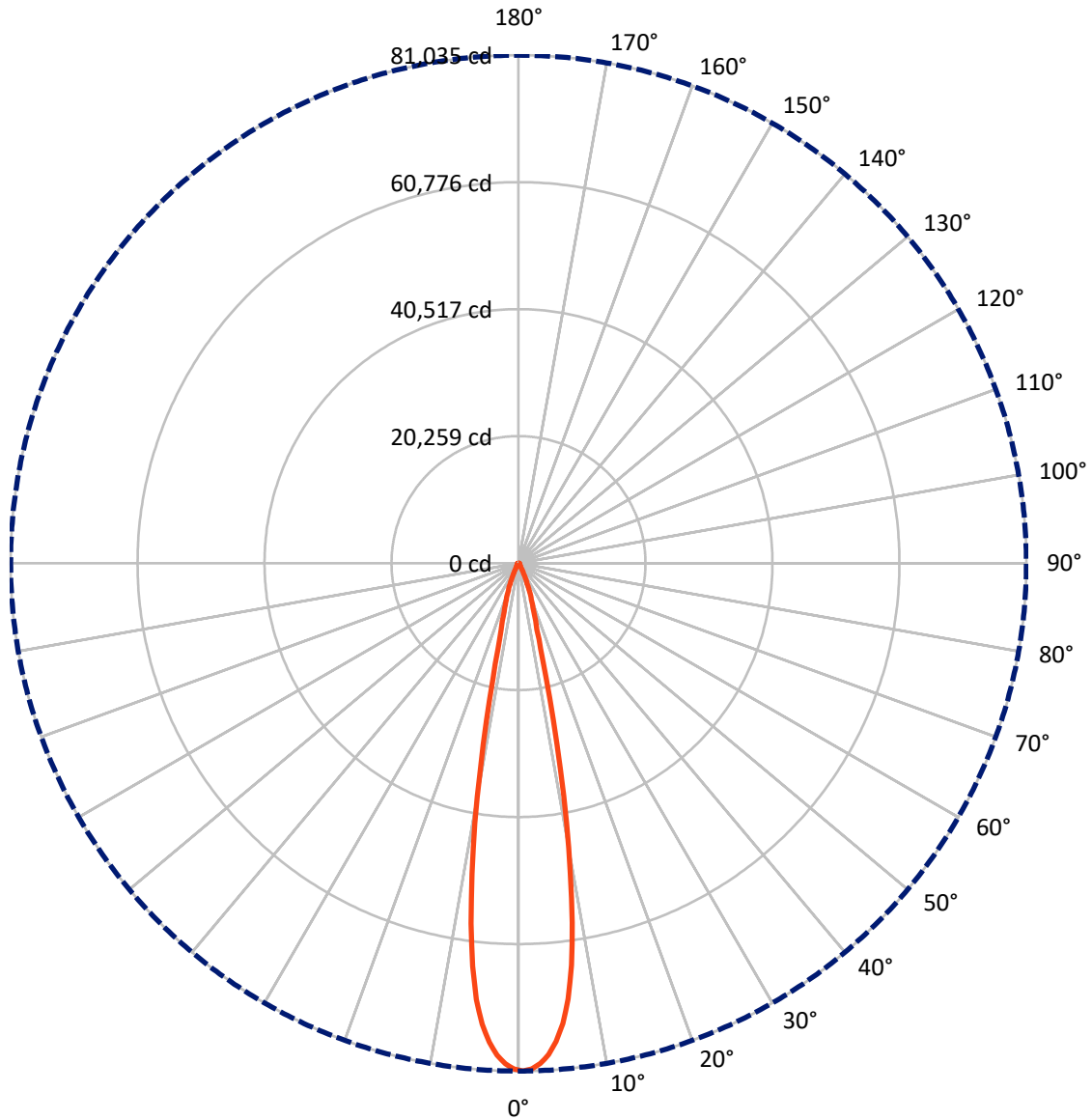
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 202.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P525685  
CATALOG NUMBER: IFLD-M-SA4A-930-U-33

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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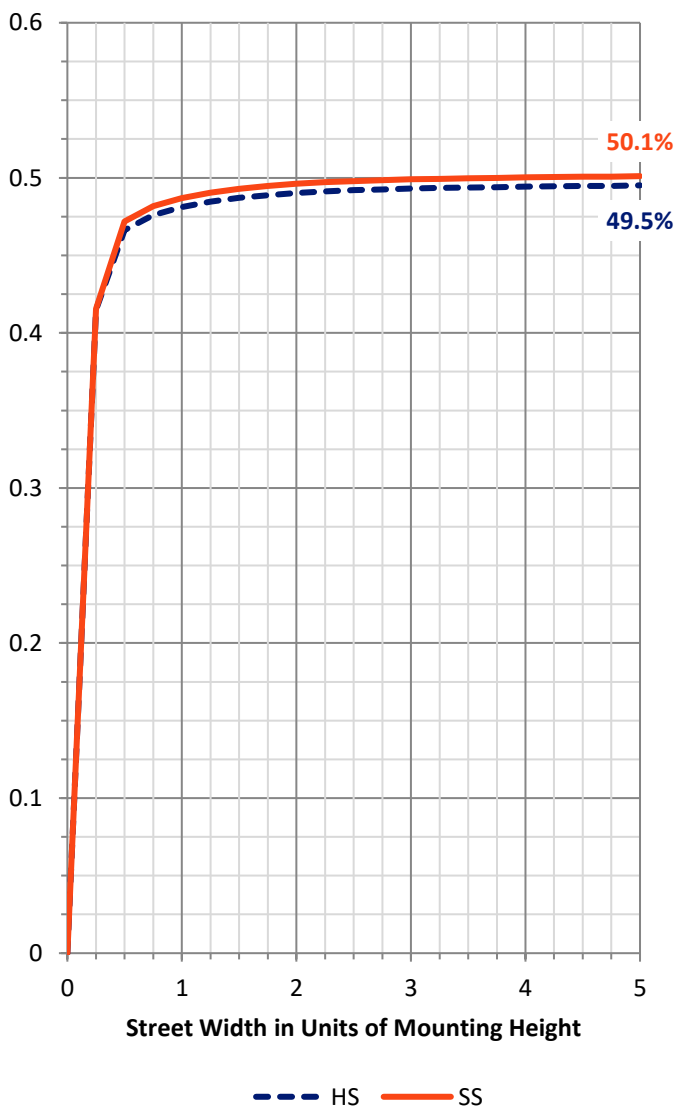
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6015.6   | 0.0    | 6015.6  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6015.6   | 0.0    | 6015.6  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12031.1  | 0.0    | 12031.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 6033.5  | 50.1      |
| 10°-20°   | 3968.6  | 33.0      |
| 20°-30°   | 1067.5  | 8.9       |
| 30°-40°   | 265.2   | 2.2       |
| 40°-50°   | 197.9   | 1.6       |
| 50°-60°   | 182.0   | 1.5       |
| 60°-70°   | 167.0   | 1.4       |
| 70°-80°   | 108.0   | 0.9       |
| 80°-90°   | 41.5    | 0.3       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 12031.1 | 100.0     |
| 0°-180°   | 12031.1 | 100.0     |



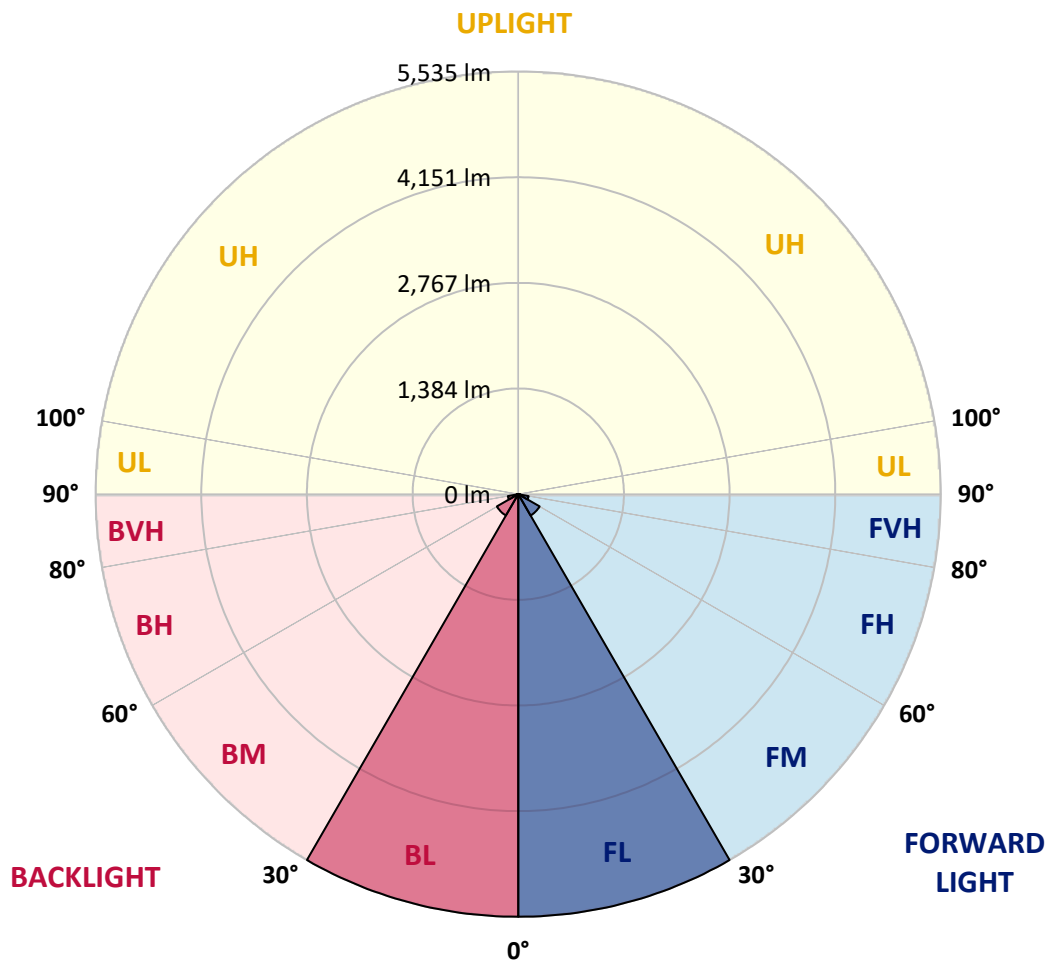
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 CATALOG NUMBER: IFLD-M-SA4A-930-U-33

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 5534.8 | 46.0      |                         |      |        |
| FM (30°-60°)   | 322.6  | 2.7       |                         |      |        |
| FH (60°-80°)   | 137.5  | 1.1       |                         |      | G0/660 |
| FVH (80°-90°)  | 20.7   | 0.2       |                         |      | G1/100 |
| BL (0°-30°)    | 5534.8 | 46.0      | B5                      |      |        |
| BM (30°-60°)   | 322.6  | 2.7       | B1/1000                 |      |        |
| BH (60°-80°)   | 137.5  | 1.1       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 20.7   | 0.2       |                         |      | G1/100 |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G1**

Type V Short





REPORT NUMBER: P525685  
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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 81034.8 |
| 1°    | 80717.7 |
| 2°    | 79918.7 |
| 3°    | 78558.1 |
| 4°    | 76575.6 |
| 5°    | 73815.4 |
| 6°    | 69962.1 |
| 7°    | 64687.9 |
| 8°    | 58000.0 |
| 9°    | 50112.6 |
| 10°   | 42113.7 |
| 11°   | 33521.2 |
| 12°   | 25545.3 |
| 13°   | 18876.8 |
| 14°   | 14127.1 |
| 15°   | 11063.9 |
| 17.5° | 7416.1  |
| 20°   | 5361.0  |
| 22.5° | 3534.4  |
| 25°   | 2074.6  |
| 27.5° | 1164.0  |
| 30°   | 650.2   |
| 32.5° | 474.8   |
| 35°   | 402.2   |
| 37.5° | 354.3   |
| 40°   | 311.8   |
| 42.5° | 279.9   |
| 45°   | 251.6   |
| 47.5° | 232.1   |
| 50°   | 216.1   |
| 52.5° | 207.3   |
| 55°   | 202.0   |
| 57.5° | 198.4   |
| 60°   | 193.1   |
| 62.5° | 182.5   |
| 65°   | 170.1   |
| 67.5° | 155.9   |
| 70°   | 138.2   |
| 72.5° | 118.7   |
| 75°   | 101.0   |
| 77.5° | 85.0    |
| 80°   | 70.9    |
| 82.5° | 56.7    |
| 85°   | 42.5    |
| 87.5° | 17.7    |



REPORT NUMBER: P525685  
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CANDELA DISTRIBUTION (continued):



(END OF REPORT)